

The Land Development Plan, Smithfield, North Carolina, published in 1965, designated a broad area north of the corporate limits for future urban development. Other growth areas designated included areas south and west to the Neuse River and between Interstate 95 and the railroad. Map number 9 shows these proposed areas with an overlay of existing and proposed sewer lines necessary to accommodate this development.

Sewer lines for the area known as West Smithfield have been proposed and a lift station would be required to lift sewage across the Neuse River. These new lines would be 8 inches in diameter, except for the trunk line which would be 12 or 15 inches.

The areas north of the corporate limits could easily be served by the addition of an outfall line running parallel with the Neuse River and tying in with the trunk line serving Sylvania. A lift station would also be necessary near the river.

Since the areas between Interstate 95 and the railroad are low, a lift station would be required when development occurs.

2. It is recommended that the town pass an ordinance outlawing the use of septic tanks within the corporate limits, except in cases where expense of sewer service is deemed too great to justify it.
3. The infiltration of storm runoff water should be eliminated to prevent overloading of sewage treatment plant and to avoid the subsequent dumping of raw sewage into the Neuse River. The probable cause of this infiltration is that old storm sewer lines connect into the sanitary sewer lines, and also, some leakage occurs through seepage of water into cracks in the sanitary sewer lines and through man-hole covers. The use of dyes have been successful in determining where infiltration occurs and should be used to help alleviate Smithfield's problem.